

**TAI: Función Logarítmica**

Resuelva los siguientes ejercicios.

**1** For the following functions  $f$ :

- i** Find the domain and range.
- ii** Find any asymptotes and axes intercepts.
- iii** Sketch the graph of  $y = f(x)$

**a**  $f : x \mapsto \log_3(x + 1), \quad x > -1$

**b**  $f : x \mapsto 1 - \log_3(x + 1), \quad x > -1$

**c**  $f : x \mapsto \log_5(x - 2) - 2, \quad x > 0$

**d**  $f : x \mapsto 1 - \log_5(x - 2), \quad x > 2$

**e**  $f : x \mapsto 1 - 2\log_2 x, \quad x > 0$